

09-182-3E D799 Switchgear Replacement, SWRP

Construction of 09-182-3E D799 Switchgear Replacement, Stickney Water Reclamation Plant is being financed by the Clean Water State Revolving Fund (SRF). The SRF program is administered by the Illinois Environmental Protection Agency and receives a portion of its money to fund these types of projects from the U.S. Environmental Protection Agency. SRF programs operate in each state to provide communities the resources necessary to build, maintain, and improve the infrastructure that protects one of our most valuable resources: water.

Service Area: Stickney

Location: Stickney Water Reclamation Plant

Engineering Consultant: In-house Design

General Contractor: Electrical Systems, Inc.

Contract Award Amount: \$12,645,300.00

Award Date: December 17, 2015

Contract Duration: 1,095 Calendar Days

Project Description: Replacement of the medium voltage (13.2kV) switchgear and medium voltage feeder cables in D799 at the Stickney WRP.

Project Justification: The medium voltage switchgear and cables are over 30 years old. Failure of a tie breaker in 2009 caused the Stickney WRP facility to be out of service. Replacement of the switchgear would improve reliability, reduce the risk of failure, provide enhanced safety features, and provide for future expansion (proposed new Monitoring & Research lab and disinfection facility). Due to its condition, the increased risk of failure necessitates its replacement to ensure the appropriate level of service. Recent inspection and testing revealed the potential of an incipient failure of the cables. They will be replaced to avoid a catastrophic failure.

